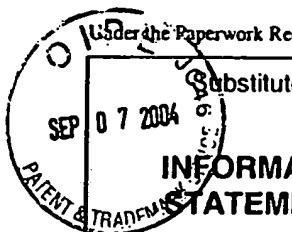


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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Sheet 1 of 5

Complete if known

Application Number	10/254,201 10/167,776
Filing Date	September 24, 2002
First Named Inventor	Xing Su, et al.
Group Art Unit	2856
Examiner Name	Not yet assigned
Attorney Docket	42P14243

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>js</i>	5,106,729			Lindsay et al.	04/21/1992	
	5,607,568			Zenharusern et al.	03/04/1997	
	5,866,328			Bensimon et al.	02/02/1999	
	6,033,852			Andle et al.	03/07/2000	
	6,073,484			Miller et al.	06/13/2000	
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	6,123,819			Peeters	09/26/2000	
	6,194,148			Hori et al.	02/27/2001	
	6,280,939			Allen	08/28/2001	
	6,310,189			Fodor et al.	10/30/2001	
	6,325,904			Peeters	12/04/2001	
<i>js</i>	6,379,895			Fodor et al.	04/30/2002	

Foreign Patent Documents

Examiner's Initials	Date	Document Number	Country	Class	Sub-Class	Translation
<i>js</i>	03/13/1997	WO 97/09584				

Examiner Signature	<i>js</i>	Date Considered	5-12-05
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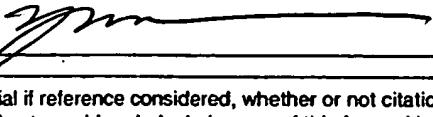
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Substitute for form 1449A/PTO				Complete if known	
<p style="text-align: center;">(modified)</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(use as many sheets as necessary)</p>				<p style="text-align: center;">Application Number</p> <p style="text-align: center;">Filing Date</p> <p style="text-align: center;">First Named Inventor</p> <p style="text-align: center;">Group Art Unit</p> <p style="text-align: center;">Examiner Name</p> <p style="text-align: center;">Attorney Docket</p>	
Sheet	2	of	5	<p style="text-align: center;">10/254,201 10/667,776</p> <p style="text-align: center;">September 24, 2002</p> <p style="text-align: center;">Xing Su, et al.</p> <p style="text-align: center;">2856</p> <p style="text-align: center;">Not yet assigned</p> <p style="text-align: center;">42P14243</p>	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ABADAL, et al., "Non-Linear Static and Dynamic Behaviour of an Electrostatically Excited Nanocantilever: Electrical Modelization and AFM Characterization," 9 th MEL-ARI/NID Workshop: 6-8 February 2002, Catania, Italy, 2 pages.	
		ABADAL, et al., "Fabrication and Modelling of a Nano-Cantilever for the Development of Sub-Picogram Sensitivity Mass Sensor," TNT2000, 16 th -20 th October 2000, Toledo, Spain, 1 page.	
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Examiner Signature		Date Considered	5-12-05
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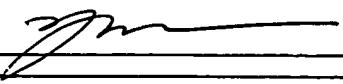
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<p>Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if known	
Sheet	3	of	5	Application Number	10/254,201 10/667,776
				Filing Date	September 24, 2002
				First Named Inventor	Xing Su, et al.
				Group Art Unit	2856
				Examiner Name	Not yet assigned
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		FABIAN, et al., "Fabrication of Micromechanical Cantilever Sensors for Nanoscale Thermal Detection," <i>PSI Annual Report 1999</i> , 1 page.	
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		MEHTA, et al., "Single-Molecule Biomechanics with Optical Methods," <i>Science</i> , Vol. 283, March 1999, 7 pages.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if known	
Sheet	4	of	5	Application Number	10/254,201- 10/667,776
				Filing Date	September 24, 2002
				First Named Inventor	Xing Su, et al.
				Group Art Unit	2856
				Examiner Name	Not yet assigned
				Attorney Docket	42P14243

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
<i>zj</i>		MÜLLER, et al., "Electrostatically Balanced Subnanometer Imaging of Biological Specimens by Atomic Force Microscope," <i>Biophysical Journal</i> , Volume 76, February 1999, 1101-1111.	²
		SMITH, et al., "Inexpensive Optical Tweezers for Undergraduate Laboratories," <i>Am. J. Phys.</i> , 67 (1), January 1999, pp. 26-35.	
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		VOLDMAN, et al, "Microfabrication in Biology and Medicine," <i>Annu. Rev. Biomed. Eng.</i> , 1999, 401-425.	
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		Yamaguchi, et al., "Adsorption, Immobilization, and Hybridization of DNA Studied by the Use of Quartz Crystal Oscillators," <i>Anal. Chem.</i> 1993, 65, 1925-1927.	
		Zhou, et al., "Microgravimetric DNA Sensor Based on Quartz Crystal Microbalance: Comparison of Oligonucleotide Immobilization Methods and the Application in Genetic Diagnosis," <i>Biosensors and Bioelectronics</i> , 16 (2001) 85-95.	
		"Single Cell Detection Using Micromechanical Oscillators," <i>Biology and Chemistry</i> , Project # 762-99," Retrieved from the Internet on January 7, 2003, URL://<www.nnf.cornell.edu/2001cnfra/200138.pdf> 2 pages.	
<i>✓</i>		"Nanomechanical Cantilever Array Sensors," Retrieved from the Internet on January 7, 2003, URL://<http://monet.physik.unibas.ch/nose/inficon> 5 pages.	

Examiner Signature	<i>zj</i>	Date Considered	5-2-05
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<p>Sheet</p>		<p>5</p>	<p>of</p>	<p>5</p>	<p>Application Number</p>	<p>10/254,201 10/667,776</p>
					<p>Filing Date</p>	<p>September 24, 2002</p>
					<p>First Named Inventor</p>	<p>Xing Su, et al.</p>
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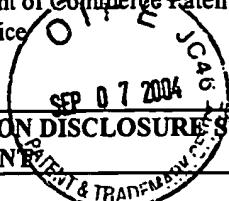
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		<p>“Cantilever Arrays; Biochemical Sensor; DNA Sensor; Mass Sensor; and Measurement Setup,” Retrieved from the Internet on January 21, 2002, URL://<http://www.zurich.ibm.com/st/nanoscience/arrays.html> 8 pages.</p>	
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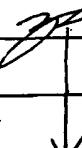
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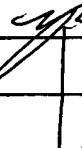
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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office 	Docket No.: INTEL1340-1 (P14243X)	Serial No.: 10/667,776
	Applicants: Su et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Filing Date: September 22, 2003	Group Art Unit: 1637

U.S. PATENT DOCUMENTS

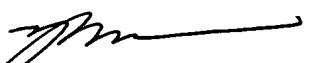
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	5,739,425	04/14/1998	Binning et al.	—	—	
	AB	6,436,647 B1	08/20/2002	Quate et al.	—	—	
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EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
	AD	WO 00/14539	03/16/2000	PCT	—	—	
	AE	WO 00/58729	10/05/2000	PCT	—	—	
	AF	WO 01/33226 A1	05/10/2001	PCT	—	—	

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	AG	Baselt, David R. et al., "Biosensor based on force microscope technology", <i>J. Vac. Sci. Technol. B.</i> , Vol. 14, No. 2, pp. 789-793, 1996.
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	AI	Dutta, P. et al., "Enantioselective Sensors Based on Antibody-Mediated Nanomechanics", <i>Analytical Chemistry</i> , Vol. 75, No. 10, pp. 2342-2348, 2003.
	AJ	Fritz, J. et al., "Translating Biomolecular Recognition into Nanomechanics", <i>Science</i> , Vol. 288, pp. 316-318, 2000.
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	AL	Guanghua, Wu et al, "Bioassay of prostate-specific antigen (PSA) using microcantilevers", <i>Nature Biotechnology</i> , Vol. 19, pp. 856-860, 2001.

EXAMINER	DATE CONSIDERED
	5-12-05

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